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Approved for use through 10/31/2002. OMB 0651-0032

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	252011-1740
		First Inventor	Liu et al.
		Title	METHOD AND APPARATUS OF DYNAMIC CUSTOMER DEMAND FORECASTING
		Express Mail Label No.	EV269335052US

U.S.P.T.O.  
102903

<b>APPLICATION ELEMENTS</b> <small>See MPEP Chapter 600 concerning utility patent application contents</small>		<b>ADDRESS TO:</b>	
<input type="checkbox"/> APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)			
1.	<input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>		
2.	Applicant claims small entity status.		
3.	<input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages] <b>19</b></span> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed. Sponsored R&amp;D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>		
4.	<input checked="" type="checkbox"/> Drawing(s) (35 USC 113) <span style="float: right;">[Total Sheets] <b>5</b></span>		
5.	Oath or Declaration <span style="float: right;">[Total Pages] <b>2</b></span> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly Executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul>		
6.	<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		
Assignee Name and Address <small>(if applicable)</small>			

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No: / .

**Prior application information: Examiner** \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

#### 18. CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

NAME	Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P.		
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ZIP CODE	30339-5948		
FAX	770-951-0933		

Name (Print/Type)	Daniel R. McClure	Registration No. (Attorney/Agent)	38,962
Signature			Date

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **Liu et al.**

For: **METHOD AND APPARATUS OF DYNAMIC CUSTOMER DEMAND FORECASTING**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard  
Utility Patent Application Transmittal Page  
Fee Transmittal Page  
Utility Patent Application Consisting Of:  
    13 Pages of Specification  
    5 Pages of Claims (Claims 1-24)  
    1 Page of Abstract  
    5 Pages of Formal Drawings (Figs. 1-5)  
Credit Card Authorization Form (Amount: \$968.00)  
Declaration (executed)  
Assignment/Recordation Form Cover Sheet  
IDS/PTO Form 1449/Cited Reference(s)

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

**Daniel R. McClure; Reg. No. 38,962**



**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**  
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

Our Docket No: **252011-1740**

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I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EV269335052US**.

Date: October 29, 2003



**Hui Chin Barnhill**

17698  
102903  
U.S.P.T.O.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revisions.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$1 968.00)

Complete If Known	
Application Number	Unassigned
Filing Date	October 29, 2003
First Named Inventor	Liu et al.
Examiner Name	Unassigned
Group / Art Unit	Unassigned
Attorney Docket No.	252011-1740

METHOD OF PAYMENT (check all that apply)				FEES CALCULATION (continued)			
<input type="checkbox"/> Check	<input checked="" type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> Other	<input type="checkbox"/> None			
<input checked="" type="checkbox"/> Deposit Account							
Deposit Account Number				20-0778			
Deposit Account Name				Thomas, Kayden, Horstemeyer Risley, L.L.P.			
The Commissioner is authorized to: (check all that apply)							
<input checked="" type="checkbox"/> Charge fee(s) indicated below		<input checked="" type="checkbox"/> Credit any overpayments					
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application							
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account							
FEE CALCULATION							
1. BASIC FILING FEE							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	770	2001 385 Utility Filing Fee	770	1051	130	2051 65 Surcharge-late filing fee or oath	
1002	340	2002 170 Design Filing Fee		1052	50	2052 25 Surcharge-late provisional filing fee or cover sheet	
1003	530	2003 265 Plant Filing Fee		1053	130	1053 130 Non-English specification	
1004	770	2004 385 Reissue Filing Fee		1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1005	160	2005 80 Provisional Filing Fee		1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
SUBTOTAL (1) (\$770)				1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE							
Total Claims	- 20** =	Extra Claims	Fee From Below	Fee Paid	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
Independent Claims	4	4	X 18.00	= 72	1401	330	2401 165 Notice of Appeal
Multiple Dependent	0	1	X 86.00	= 86	1402	330	2402 165 Filing a brief in support of an appeal
			290.00	= 0	1403	290	2403 145 Request for oral hearing
SUBTOTAL (2) (\$158)				1451	1,510	1451 1,510 Petition to institute a public use proceeding	
				1452	110	2452 55 Petition to revive-unavoidable	
				1453	1,330	2453 655 Petition to revive-unintentional	
				1501	1,330	2501 665 Utility issue fee (or reissue)	
				1502	480	2502 240 Design issue fee	
				1503	640	2503 320 Plant issue fee	
				1460	130	1460 130 Petitions to the Commissioner	
				1807	50	1807 50 Processing fee for provisional application	
				1806	180	1806 180 Submission of Information Disclosure Stmt	
				8021	40	8021 40 Recording each patent assignment per property (times number of properties)	40
				1809	770	2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))	
				1810	770	2810 385 For each add. invention to be examined (37 CFR 1.129(b))	
				1801	770	2801 385 Request for Continued Examination (RCE)	
				1802	900	1802 900 Request for expedited exam. of a design application	
Other fee (specify)				SUBTOTAL (3) (\$40)			

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

Complete (if applicable)

Type or Printed Name Signature	Daniel R. McClure 	Registration No. 38,962	Telephone Number	770-933-9500
			Date	10-29-03

WARNING: Information on this form may become public. Credit Card information should not

Be included on this form. Provide credit card information and authorization on PTO-2038

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.